

# CERTIFICATE OF ACCREDITATION

## Kyung-In Synthetic Corporation, Chemical Testing & Analysis Center

**Accreditation No. :** KT627

**Corporation Registration No. :** 120111-0005703

**Address of Laboratory :** 69 75 Gil Yangcheon-Ro, Kangseo-Gu, Seoul, Korea

**date of Initial Accreditation :** June 13, 2014

**Duration :** June 13, 2018 ~ June 12, 2022

**Scope of Accreditation :** Attached Annex

**Date of issue :** May 31, 2018

**This testing laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025 : 2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated 8 January 2009).**



*Her Nam Yong*

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**Administrator**  
**Korea Laboratory Accreditation Scheme**

# Korea Laboratory Accreditation Scheme

No. KT627

## 02. Chemical Test

### 02.026 Textile

Test method	Standard designation	Test range
KS K ISO 105-B02:2014	Textiles-Tests for colour fastness - Part B02: Colour fastness to artificial light: Xenon arc fading lamp test	(1 ~ 8) Grade
KS K ISO 105-C06:2014	Textiles-Tests for colour fastness - Part C06: Colour fastness to domestic and commercial laundering	(1 ~ 5) Grade
KS K ISO 105-C10:2006	Textiles-Tests for colour fastness - Part C10: Colour fastness to washing with soap or soap and soda	(1 ~ 5) Grade
KS K ISO 105-E01:2013	Textiles-Tests for colour fastness - Part E01: Colour fastness to water	(1 ~ 5) Grade
KS K ISO 105-E02:2013	Textiles-Tests for colour fastness - Part E02: Colour fastness to sea water	(1 ~ 5) Grade
KS K ISO 105-E04:2013	Textiles-Tests for colour fastness - Part E04: Colour fastness to perspiration	(1 ~ 5) Grade
ISO 105-B02:2014	Textiles-Tests for colour fastness - Part B02: Colour fastness to artificial light: Xenon arc fading lamp test	(1 ~ 8) Grade
ISO 105-B07:2009	Textiles-Tests for colour fastness - Part B07: Colour fastness to light of textiles wetted with artificial perspiration	(1 ~ 5) Grade
ISO 105-C06:2010	Textiles-Tests for colour fastness - Part C06: Colour fastness to domestic and commercial laundering	(1 ~ 5) Grade
ISO 105-C10:2006	Textiles-Tests for colour fastness - Part C10: Colour fastness to washing with soap or soap and soda	(1 ~ 5) Grade
ISO 105-E01:2013	Textiles-Tests for colour fastness - Part E01: Colour fastness to water	(1 ~ 5) Grade
ISO 105-E02:2013	Textiles-Tests for colour fastness - Part E02: Colour fastness to sea water	(1 ~ 5) Grade
ISO 105-E03:2010	Textiles-Tests for colour fastness - Part E03: Colour fastness to chlorinated water (swimming-pool water)	(1 ~ 5) Grade

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Test method	Standard designation	Test range
ISO 105-E04:2013	Textiles-Tests for colour fastness - Part E04: Colour fastness to perspiration	(1 ~ 5) Grade
BS EN ISO 14362-1:2017	Textiles-Methods for determination of certain aromatic amines derived from azo colorants. Part1: Detection of the use of certain azo colorants accessible with and without extracting the fibres (ISO 14362-1:2017)	20 mg/kg or more
BS EN ISO 14362-3:2017	Textiles-Methods for determination of certain aromatic amines derived from azo colorants. Part3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene (ISO 14362-3:2017)	20 mg/kg or more
DIN 54232:2010	Textilien-Bestimmung des Gehaltes von Verbindungen auf der Basis von Chlorbenzol und Chlortoluol	<p style="text-align: center;">Chlortoluol</p> <p>4 µg/kg or more</p> <p>Dichlorbenzol</p> <p>2 µg/kg or more</p> <p>Dichlortoluol</p> <p>3 µg/kg or more</p> <p>Trichlorbenzol</p> <p>3 µg/kg or more</p> <p>Trichlortoluol</p> <p>3 µg/kg or more</p> <p>Tetrachlorbenzol</p> <p>3 µg/kg or more</p> <p>Pentachlorbenzol</p> <p>1 µg/kg or more</p> <p>Pentachlortoluol</p> <p>4 µg/kg or more</p> <p>Hexachlorbenzol</p> <p>1 µg/kg or more</p>

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02.026 Textile

Test method	Standard designation	Test range
LMBG 82.02-8:2001	Untersuchung von Bedarfsgegenständen Nachweis und Bestimmung von Pentachlorophenol in Bedarfsgegenständen, insbesondere aus Leder und Textilien (Referenzverfahren)	0.1 mg/kg or more
ISO 14184-1:2011	Textiles-Determination of formaldehyde - Part 1: Free and hydrolysed formaldehyde (water extraction method)	16 mg/kg or more
KS K ISO 14184-1:2009	Textiles-Determination of formaldehyde - Part 1: Free and hydrolyzed formaldehyde (water extraction method)	20 mg/kg or more
KS K 0731:2017	Test method for determination of extractable heavy metals content in textiles	Co :0.5 mg/kg or more As :0.1 mg/kg or more Ni :0.5 mg/kg or more Cd :0.1 mg/kg or more Cr :0.5 mg/kg or more Pb :0.1 mg/kg or more Hg :0.01 mg/kg or more Cu :1.0 mg/kg or more Sb :5.0 mg/kg or more Cr(VI) :0.3 mg/kg or more
KS K 0736:2014	Test method for determination of allergenic disperse dyes content in textiles	20 mg/kg or more
KS K 0735:2017	Test method for determination of carcinogenic dyes content in textiles	20 mg/kg or more
ISO 3071:2005	Textiles-Determination of pH of aqueous extract	(2.00~12.00) pH range, 0.01 pH
KS K ISO 3071:2005	Textiles-Determination of pH of aqueous extract	(2.00~12.00) pH range, 0.01 pH

# Korea Laboratory Accreditation Scheme

No. KT627

02.027 Leather

Test method	Standard designation	Test range
BS EN ISO 17234-1:2015	Leather-Chemical tests for the determination of certain azo colorants in dyed leathers Part 1 : Determination of certain aromatic amines derived from azo colorants	20 mg/kg or more
BS EN ISO 17234-2:2011	Leather. Chemical tests for the determination of certain azo colorants in dyed leathers. Part 2 :Determination of 4-aminoazobenzene(ISO 17234-2:2011)	20 mg/kg or more
ISO 17234-1:2015	Leather-Chemical tests for the determination of certain azo colorants in dyed leathers - Part1: Determination of certain aromatic amines derived from azo colorants	20 mg/kg or more
ISO 17234-2:2011	Leather-Chemical tests for the determination of certain azo colorants in dyed leathers - Part2: Determination of 4-aminoazobenzene	20 mg/kg or more
KS M ISO 17234-1:2014	Leather-Chemical tests for determination of certain azo colourants in dyed leathers - Part1: Determination of certain aromatic amines derived from azo colorants	20 mg/kg or more
KS M ISO 17234-2:2014	Leather-Chemical tests for the determination of certain azo colorants in dyed leathers - Part2: Determination of 4-aminoazobenzene	20 mg/kg or more
ISO 17070:2015	Leather-Chemical tests-Determination of tetrachlorophenol-, trichlorophenol-, dichlorophenol-, monochlorophenol-isomers and pentachlorophenol content	0.1 mg/kg or more
KS M ISO 17070:2015	Leather-Chemical tests-Determination of tetrachlorophenol-, trichlorophenol-, dichlorophenol-, monochlorophenol-isomers and pentachlorophenol content	0.1 mg/kg or more
LMBG 82.02-8:2001	Untersuchung von Bedarfsgegenständen Nachweis und Bestimmung von Pentachlorophenol in Bedarfsgegenständen, insbesondere aus Leder und Textilien (Referenzverfahren)	0.1 mg/kg or more

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No. KT627

02.027 Leather

Test method	Standard designation	Test range
DIN EN ISO 17075-1:2017	Leather-Chemical determination of chromium(VI) content in leather - Part1: Colorimetric method (ISO 17075-1:2017)	3 mg/kg or more
KS M ISO 17075:2008	Leather-Chemical tests - Determination of chromium(VI) content	3 mg/kg or more
ISO 17226-1:2008	Leather-Chemical determination of formaldehyde content - Part1: Method using high performance liquid chromatography	1 mg/kg or more
ISO 17226-2:2008	Leather-Chemical determination of formaldehyde content - Part2: Method using colorimetric analysis	9 mg/kg or more
ISO 17226-3:2011	Leather-Chemical determination of formaldehyde content - Part3: Determination of formaldehyde emissions from leather	1 mg/kg or more
KS M ISO 17226-1:2014	Leather-Chemical determination of formaldehyde content - Part1: Method using high performance liquid chromatography	1 mg/kg or more
KS M ISO 17226-2:2014	Leather-Chemical determination of formaldehyde content - Part2: Method using colorimetric analysis	9 mg/kg or more
KS M ISO 17226-3:2014	Leather-Chemical determination of formaldehyde content - Part3 : Determination of formaldehyde emissions from leather	1 mg/kg or more
ISO 4045:2008	Leather-Chemical tests-Determination of pH	(2.00~12.00) pH range, 0.01 pH
KS M ISO 4045:2013	Leather-Chemical tests-Determination of pH	(2.00~12.00) pH range, 0.01 pH

End.